Approved For Release 2 CIA-RDP62B00844R000200110087-6

25X1	24 October 1958
	CHAL-0367 / Copy / of 5
	MEMORANDUM FOR: Special Assistant to the Director for Planning and Development
	THRU : Deputy Director, DPS/DCI
	SUBJECT : Rear View Mirror
	REFERENCE : CHAL-0277
25X1	l. In answer to your memorandum dated 6 August concerning the rear view mirror installation, the following is a recap of action taken:
25X1	2. On or about 15 August, the drawings and photographs showing the exterior mounted rear view mirror installation were sent to say was requested to run functional flight tests on this item to determine exactly how accurately the pilot could see his own contrail.
25X1 25X1 25X1	3. On 21 October was requested to furnish information concerning the rear view mirror. This query was answered on 22 October . The following information is extracted from the answer:
	"1. Reference mirror installed on 378. Effect on performance extimated to be negligible.
	"2. Functional flight tests showed following:
	"a. In climb, observing airplane can see contrail approximately 4500 feet before pilot can see in mirror.
	"b. Contrails still exist for approximately 4500 feet after pilot stops seeing them.
	"c. In descent the difference between mirror and observer is less.
	"d. In gust position, contrails can be seen sooner and longer."

25X1 25X1

Approved For Release 2003/12/23 : CIA-RDP62B00844R000200110087-6

- 2 -

5)//	any tests were made concerning the ability of the pilot to detect intercept aircraft. It is planned to request to perform functional tests in order to determine if the rear view mirror is effective along this line. These tests will be run in conjunction with other activities at A possibility to incorporate	25X ²
5X1 25X1	these tests with the tests exists. 5. It may be noted in para 3, that #349 has a modified mirror installed which is slightly cleaner and allows some adjustment. When 349 is in position at we will request pilots to comment on this modified mirror installation.	25X 25X 25X
25X1	6. Based on information received from and indications from tests, it is felt that the drag is negligible. It is Operation's opinion that this installation is a valuable asset. The need will increase as time goes on, consistent with estimates of future Russian capabilities to intercept. With your approval Operation's will request to investigate the feasibility of coming up with one suitable answer to the Contrail-intercept problems.	25X ² 25X ² 25X1
	Director of Operations	

DPS/DCI/WFN:vrs Distribution:

Orig - Addressee
2 - Dep. Dir. DPS
3 - Ops Subj
4 - Ops Chron

5 - CHAL Chron